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Application Number	09/479,783			
Filing Date	01/07/2000			
First Named Inventor	Stanley T. Crooke			
Art Unit	1635			
Examiner Name	Sean McGarry			
Attorney Docket Number	ISIS-4313			

	U.S. PATENT DOCUMENTS								
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan				
Initials *	No.1	Number - Kind Code ² (If known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear				
	1	U.S. 4,720,483	01-19-1988	Jansz et al.					
	2	U.S. 4,757,141	07-12-1988	Fung et al.					
	3	U.S. 5,082,934	01-21-1992	Saba et al.					
	4	U.S. 5,151,510	09-29-1992	Stec et al.					
	5	U.S. 5,424,413	06-13-1995	Hogan et al.					
	6	U.S. 5,506,212	04-09-1996	Hoke et al.					
	7	U.S. 5,561,043	10-01-1996	Cantor et al.					
	8	U.S. 5,631,148	05-20-1997	Urdea					
	9	U.S. 5,639,873	06-17-1997	Barascut et al.					
	10	U.S. 5,719,271	02-17-1998	Cook et al.					
	11	U.S. 5,760,202	06-02-1998	Cook et al.					
	12	U.S. 5,861,493	01-19-1999	Cook et al.					
	13	U.S. 5,891,684	04-06-1999	Usman et al.					
	14	U.S. 5,955,443	09-21-1999	Bennett et al.					
	15	U.S. 5,998,203	12-07-1999	Matulic-Adamic et al.					
	16	U.S. 6,133,246	10-17-2000	McKay et al.					
	17	U.S. 6,210,892 B1	04-03-2001	Bennett et al.					
	18	U.S. 6,222,025 B1	04-24-2001	Cook et al.					
	19	U.S. 6,262,036 B1	07-17-2001	Arnold, Jr. et al.					
	20	U.S. 6,274,723 B1	08-14-2001	Nilsen					
	21	U.S. 6,506,559 B1	01-14-2003	Fire et al.					
	22	U.S. 6,818,759 B2	11-16-2004	Beigelman et al.					
	23	U.S. 7,022,828 B2	04-04-2006	McSwiggen					
	24	U.S. 2003/0125241 A1	07-03-2003	Wissenbach et al.					
	25	U.S. 2003/0139585 A1	07-24-2003	Uhlmann et al.					
	26	U.S. 2003/0143732 A1	07-31-2003	Fosnaugh et al.					
	27	U.S. 2003/0206887 A1	11-06-2003	Morrissey et al.					
	28	U.S. 2004/0029275 A1	02-12-2004	Brown et al.					
	29	U.S. 2004/0146867 A1	07-29-2004	Slattum et al.					
	30	U.S. 2005/0142535 A1	06-30-2005	Damha et al.	l				

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁶ - Klind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶					
	31	EP 0 266 168 A2	05-04-1988	Amoco Corp.							
	32	WO 94/02498 A1	02-03-1994	Worcester Foundation for Experimental Biology							
	33	WO 96/07392 A2	03-14-1996	Hybridon, Inc.							
	34	WO 02/44321 A2	06-06-2002	Max-Planck-Gesellschaft Wissenschaften E.V.							

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Examiner	Date Considered	
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			CLOSURE	Filing Date	01/07/2000		
STAT	EMENT B	ΥAI	PPLICANT	First Named Inventor	Stanley T. Crooke		
				Art Unit	1635		
	(Use as many she	ets as	necessary)	Examiner Name	Sean McGarry		
Sheet	2	of	3	Attorney Docket Number	ISIS-4313		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	35	ALAHARI, J. Pharmacology and Experimental Therapeutics, 1998, 286, 419-428	
	36	BEIGELMAN, J. Biol Chem, 1995, 270, 25702-25708	
	37	BERGER, Nucleic Acids Research, 1998, 26, 2473-2480	
	38	BEVILACQUA, Biochemistry, 1996, 35, 9983-9994	
	39	BOUTLA, Current Biology, 2001, 11, 1776-1780	
	40	COOK, Anti-Cancer Drug Design, 1991, 6, 585-607	
	41	DAMHA, J. Am. Chem. Soc., 120:12976-12977	
	42	ELBASHIR, EMBO J., 2001, 20, 6877-6888	
	43	HAMMOND, Nature, 2001, 2, 110-119	
	44	KIMURA-HARADA, FEBS Lett., 1971, 13, 335-338;	
	45	KOIZUMI, Nucleic Acids Research, 1989, 17, 7059-7071	
	46	KUIMELIS, Nucleic Acids Res. 1994, 22, 1429-1436	
	47	LESNIK, Biochemistry, 1995, 34,10807-10815	\vdash
	48	PARRISH, Molecular Cell, 2000, 6, 1077-1087	
	49	PORTA, Biotechnology, 1995, 13, 161-164	

Examiner	Date	
Signature	Considered	

Substitu	te for form 14	149/P	то	Complete if Known			
INFORMATION DISCLOSURE				Application Number	09/479,783		
	MENT BY AP			Filing Date	01/07/2000		
OTATEMENT DI ALI EIGANI		First Named Inventor	Stanley T. Crooke				
				Art Unit	1635		
(Use	as many she	ets a	is necessary)	Examiner Name	Sean McGarry		
Sheet	Sheet 3 of 3		Attorney Docket Number	ISIS-4313			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	50	SHUMAN, J. Biol Chem, 1993, 268, 18943-18950	
	51	TOSQUELLAS, Nucleic Acids Research, 1998, 26, 2069-2074	
	52	TRACEWELL, Toxicology and Applied Pharmacology, 1995, 135, 179-184	
	53	TUSCHL, Molecular Interventions, 2002, 2, 158-167	
	54	VERONESE, II Farmaco, 1999, 54, 497-516	
	55	WILDS, Nucleic Acids Res., 2000, 28, 3625-3635	
	56	WU, J. Biol. Chem, 1998, 273, 2532-2542	
	57	YU, RNA, 1997, 324-331	
	58	YU, Bioorganic and Medicinal Chemistry, 1996, 4, 1685-1692	
	59	Table listing related applications and office actions and rejections from those related applications	

Examiner Signature		Date Considered		

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